STREAM ECOSYSTEM OUTREACH

INTRODUCTION TO EDUCATION
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TEAM MEMBERS
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Introduction

The Intro to Education class at NWACC collaborated with Dr. Marvin Galloway in the Stream Ecosystem project at War Eagle Mill. Sixth grade students from Bentonville Middle School were taught how to classify fish by comparing them to different types of cars. This hands-on experience gave students a real world method of how fish are classified.
Project Overview

- The children learned about different types of fish by means of comparing them to something familiar, cars.

- Our contribution was to develop an activity booklet to help teach students about fish.

- The activity allowed students to be interactive with both fish and cars.
Project Objectives

- Created an activity book geared toward second grade level
- Created a lesson plan to help teachers introduce fish by comparison to cars.
- Provided hands on experience to produce the cognitive learning ability
Community

- Community Contacts
  - Dr. Marvin Galloway
  - Bentonville Middle School
  - Bentonville Elementary School teachers
  - Bentonville Elementary School students

- How was the community served?
  - The project served the community of the Bentonville Public Schools by teaching the sixth grade classes about fish. Also elementary grade teachers got an activity book about fish to pass out to their students, as well as a lesson plan to help the teacher teach.
Curriculum

Team Goals Met

- Taught students about different types of fish
  - Interaction
  - Comparison
- Developed an activity book
- Developed “soft skills”
- Developed professional
  - Behavior
  - Communication
  - Writing skills
How did the project meet course content objectives?

- Recognized practical application of
  - Learning theories
  - Philosophical concepts
  - Role and nature of
    - Schooling
    - Teaching
- Reflected on personal experience
- Examined our beliefs
- Discussed and examined teaching as a profession
  - Professional ethics
  - Professionalism

Content Objectives Met

- Students developed a higher order thinking skills
Technology

- Training with Dr. Galloway
- Digital Camera
- Hardware
  - Computer
  - Printer
- Software
  - Microsoft Word
  - Power Point
- Internet
Skills developed

As Team

- Developed strong team work skills
  - Working together on project
  - Doing activities for bonding

- Learned to work in teams
  - Time management
  - Agreeing on presentations

As Individuals

- Communication Skills
- Organizational Skills
- Working with Children
Methodology

- Trained with Dr. Galloway
- Attended outreach at War Eagle Mill
  - Taught students about fish
    - Comparison
    - Contrast
  - Took pictures
- Mad activity book for elementary grades
  - Gave to teachers
  - Presented to students
- Made PowerPoint presentation
  - Reviewed
  - Revised
  - Submitted
Outcome

- Students as well as Introduction to Education students developed higher order thinking skills
- Students as well as Introduction to Education students gained greater understanding of fish
- Our team generated an activity book
Process

- Attended the project for the sixth graders
- Made a meeting, and brainstormed information gained from project
- Discussed roles for each to play in creating the activity book
- Made a power point.
- Edited each others work
- Published PowerPoint on East/Empacts website
Time Line

- September 28th - Robert went fishing, and caught the fish which was used in the Stream Ecosystem presentation at War Eagle Mill.
- September 29th – Our team met with Dr. Galloway and discussed the process in which presentation would take place.
- September 30th and Friday October 2nd. – Our team attended and participated in the experiment which was held at War Eagle Mill.
- November 16th – Colleen took the Initial Proposal and placed it in a PowerPoint
- November 23rd – Savanna took PowerPoint and updated information, and placed in pictures.
Acknowledgements

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References

- Dr. Marvin Galloway